## - 2 -IN THE CLAIMS:

Please amend the claims, as follows:

- 1. (Currently Amended) A spark ignited engine; said engine comprising:
- a block having a top surface and a cylindrical bore therein;
- a piston being movably positioned in said cylindrical bore;
- a cylinder head having a bottom surface and being attached to said block;
- a combustion chamber being defined by said cylindrical bore, said piston and said bottom surface of said cylinder head;
- a spark plug having an electrode, a plug shell, a plug shell cap and an insulator, said spark plug being positioned in said cylinder head;
- said spark plug being of an encapsulated configuration defining an ignition chamber; and
- said spark plug being substantially positioned within said cylinder head and substantially external of said combustion chamber,

wherein a bottom plane portion of the spark plug does not extend beyond a bottom surface of the cylinder head.

- 2. (Original) The spark ignited engine as defined in claim 1 wherein said plug shell defines a cylindrical outer contour being connected to a bottom plane portion having a flat outer contour.
- 3. (Original) The spark ignited engine as defined in claim 1 wherein said ignition chamber defines a cylindrical outer profile, a flat top portion and one of a radiused and a flat and an angled bottom profile.
- 4. (Currently Amended) The spark ignited engine as defined in claim 1 wherein said ignition chamber has at least a single orifice exiting therefrom through [[a]] the bottom plane portion having a flat outer contour and into said combustion chamber.

- 5. (Original) The spark ignited engine as defined in claim 4 wherein said single orifice is positioned about an axis, said axis being aligned with an axis of said combustion chamber.
- 6. (Currently Amended) The spark ignited engine as defined in claim 1 wherein said ignition chamber has a plurality of orifices exiting therefrom through [[a]] the bottom plane portion having a flat outer contour and into said combustion chamber.
- 7. (Original) The spark ignited engine as defined in claim 6 wherein said plurality of orifices are position about an axis, said axis being aligned with an axis of said combustion chamber.
- 8. (Original) The spark ignited engine as defined in claim 7 wherein each of said plurality of orifices are positioned at an equal distance from said axis and at an equal angular relationship.
- 9. (Currently Amended) The spark ignited engine as defined in claim 1 wherein said ignition chamber has one of a radiused and a flat and an angled bottom profile, said plug shell defines [[a]] the bottom plane portion having a flat outer contour and a wall thickness formed therebetween has a wall thickness being thicker near an outer portion than at a center portion.

## 10-17. (Canceled)

18. (Currently Amended) A method of positioning a spark plug within a cylinder head of an engine; said method comprising the steps of:

inserting said spark plug removably within said a cylinder head of said engines;

positioning said spark plug substantially within said cylinder head;

positioning a bottom plane portion of the spark plug so not to extend beyond a bottom surface of the cylinder head; and

having an ignition chamber of said spark plug in heat exchanging relationship with a cooling passage in said cylinder head.

- 19. (Original) The method of positioning a spark plug within a cylinder head of an engine as defined in claim 18 wherein said ignition chamber of said spark plug is external of a combustion chamber of said engine.
- 20. (Original) The method of positioning a spark plug within a cylinder head of an engine as defined in claim 18 wherein said spark plug has a bottom plane portion having a substantially flat outer contour.